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# BAY AREA ULTRA-LOW NOX REGULATION CHANGES

## WHAT IS THE REGULATION?

The Bay Area Air Quality Management District has established Regulation 9, Rule 4 limiting Nitrogen Oxide (NOx) emissions from residential gas-fired furnaces. This rule applies to any product designed to heat an interior space with a heat input rate of less than 175,000 BTU/hr.<sup>1</sup> As a result, Carrier now offers several gas furnace models that meet these new ultra-low NOx (ULN) emission requirements.

## WHEN WILL THE REGULATION GO INTO EFFECT?

Beginning January 1, 2024, furnaces that emit more than 14 ng/J of nitrogen oxide with a manufactured date after January 1, 2024, will not be able to be sold, installed, or offered for sale within the district.<sup>1</sup> See below for a complete list of compliant products offered by Carrier.

### Counties Impacted



The Bay Area Air Quality District (BAAQMD) jurisdiction includes all of Alameda, Contra Costa, Marin, San Francisco, San Mateo, Santa Clara, and Napa Counties and portions of southwestern Solano and southern Sonoma Counties.<sup>2</sup>

### What You Need To Know

#### How does this benefit the homeowner?

Homeowners will initially pay higher cost for the ULN furnace due to the new technology required to meet 14 ng/J NOx emissions, but over time the ULN furnace causes less of an environmental impact. Homeowners can help contribute to cleaner outdoor air with 65% lower NOx emissions from their new ULN furnace, compared to current low NOx (40ng/J) gas furnace models.<sup>3</sup>

#### Why do the new furnaces cost more money?

Ultra-low NOx furnaces will cost more than a standard gas furnace models. ULN furnaces contain a different burner design with new technology, additional components, and special materials. The complexity in materials adds to the cost of the product.

### Furnaces Available to Meet Regulations

Condensing	AFUE (up to)	Motor	Heat	Cool	Dehum	Blr Ins
58SU0	80%	MCT	1	2	N	Y
59SU5	95%	MCT	1	2	N	Y
58CU0	80%	VCA	1	Variable	Y	Y
59CU5	95%	VCA	1	Variable	Y	Y

For additional information on Carrier's offering of ultra-low NOx compliant furnaces, please visit [Carrier.com](https://www.carrier.com).

#### For More Information:

<sup>1</sup> [https://www.baaqmd.gov/~media/dotgov/files/rules/reg-9-rule-4-nitrogen-oxides-from-fan-type-residential-central-furnaces/2021-amendments/documents/20230315\\_rg0904-pdf.pdf?la=en&rev=fd4b39bc0c834bcbb8b76646526afc6](https://www.baaqmd.gov/~media/dotgov/files/rules/reg-9-rule-4-nitrogen-oxides-from-fan-type-residential-central-furnaces/2021-amendments/documents/20230315_rg0904-pdf.pdf?la=en&rev=fd4b39bc0c834bcbb8b76646526afc6)

<sup>2</sup> [https://www.baaqmd.gov/~media/dotgov/files/rules/reg-9-rule-4-nitrogen-oxides-from-fan-type-residential-central-furnaces/2021-amendments/documents/20220519\\_02\\_nop\\_rules09040906-pdf.pdf?la=en&rev=0d134e0d12ef455f88cc379731f8e195](https://www.baaqmd.gov/~media/dotgov/files/rules/reg-9-rule-4-nitrogen-oxides-from-fan-type-residential-central-furnaces/2021-amendments/documents/20220519_02_nop_rules09040906-pdf.pdf?la=en&rev=0d134e0d12ef455f88cc379731f8e195)

<sup>3</sup> [https://www.baaqmd.gov/~media/dotgov/files/rules/reg-9-rule-4-nitrogen-oxides-from-fan-type-residential-central-furnaces/2021-amendments/documents/20210930\\_01\\_wsr\\_rules0904and0906-pdf.pdf?la=en](https://www.baaqmd.gov/~media/dotgov/files/rules/reg-9-rule-4-nitrogen-oxides-from-fan-type-residential-central-furnaces/2021-amendments/documents/20210930_01_wsr_rules0904and0906-pdf.pdf?la=en)